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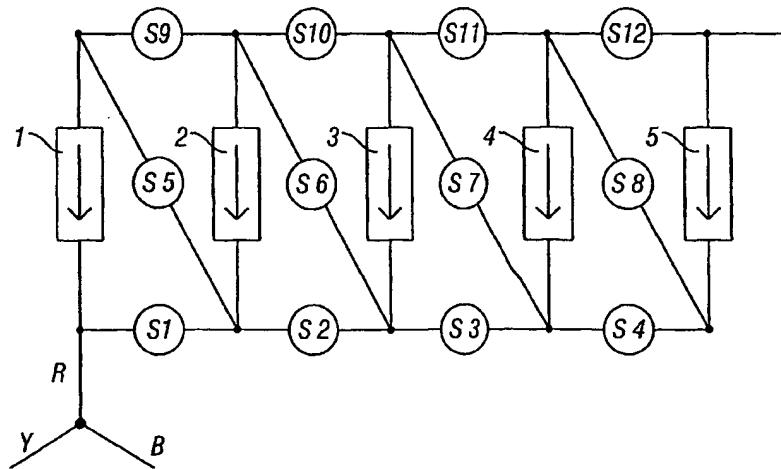
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(54) Title: MAGNETIC GEARING OF PERMANENT MAGNET BRUSHLESS MOTORS



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(57) Abstract: A permanent magnet brushless 3-phase motor comprises windings R, Y, B, each divided into a plurality of sections 1-5 and switch means S1-S12 for selectively connecting the section of the respective winding e.g. R in series and/or parallel with all other sections of that winding R. Control means are provided for actuating the switch means S1-S12 to connect the winding sections 1-5 in different configurations whilst the motor is running to alter the speed/torque characteristics of the motor.